

## CDX-GT470UM

Car CD/MP3/WMA Receiver with USB input

Unleash your favorite music with the easy-access USB port<sup>2</sup>. Just plug in and enjoy crystal-clear audio with the convenience of on-screen artist names and title tracks. Sony audio technologies not only improve the sound quality of your audio files, they also deliver smooth volume transitions between tracks.



### Bullets

- Front USB Mass Storage Class device input<sup>2</sup>
- Intuitive Quick-BrowZer® and ZAPPIN™ search features
- CD and MP3/WMA/AAC music file playback<sup>1</sup> with DM+
- Advanced Sound Engine with EQ7 & HPF/LPF crossovers
- Automatic Level Optimizer balances levels between tracks
- Detachable faceplate with LCD display & front aux input
- Hi-power 52 watt x 4 Dynamic Reality Amp
- 2 Volt rear/sub selectable preamp outputs for expansion
- Digital Clarity Tuner with Radio Data System (RDS)
- Convenient wireless remote (RM-X211)
- Red key illumination
- Steering wheel remote control input ready<sup>4</sup>

### Features

#### Versatile front USB input

Connect, charge, and control your Android<sup>™3</sup> or Blackberry<sup>®3</sup> smartphone's audio files in MSC mode<sup>3</sup>, Walkman<sup>®</sup> player or other compatible USB devices<sup>2</sup> via the front USB input. You can also view metadata like song title and artist on the front display.

#### Intuitive music search features

Use Quick-BrowZer® to find music by artist, album, genre, song or playlist. Jump Mode allows you to fast forward through a category in 10% increments while the ZAPPIN™ feature can play a 6, 9, or 30 second intro clip to help you find a specific song.

#### Plays CDs and popular digital files

Multi-format playback lets you play your MP3, WMA, or AAC songs<sup>1</sup>. Hear digital music files in their original vibrancy with DM+ (Digital Music Plus), a Sony<sup>®</sup> codec enhancer that reproduces detailed frequencies from compressed audio files.

#### Custom sound settings with EQ7

The Advanced Sound Engine uses EQ7 equalizer, adjustable LPF/HPF crossovers, Listener Position calibration, DM+ advanced sound restoration, Rear Bass Enhancer, and Dynamic Loudness volume leveler to deliver an impressive listening experience.

#### Smooth playback transitions

Automatic Level Optimizer analyzes each tracks playback levels and adjusts output level to optimize transitions between tracks and sources.

#### Convenient control panel design

The easy-to-read single line LCD display shows clock, station ID and track data when playing back digital files from CD or external USB devices. Front auxiliary input lets you connect almost any portable audio device to your car's sound system.

#### Powerful in-dash amplification

The internal Dynamic Reality Amp delivers 52 watts x 4 to your interior speakers, allowing you to crank up the volume while maintaining low distortion, low noise levels and smooth frequency response. Your music isn't just louder, it's clearer too.

#### RCA outputs for system expansion

When you're ready to expand your system, the CDX-GT470UM offers selectable 2 volt rear or subwoofer pre-amp RCA outputs for external amplifiers. The adjustable subwoofer level control lets you dial in the bass when you're ready to pump it up.

#### The immaculate reception

The Digital Clarity Tuner delivers industry leading signal to noise ratios, lower interference, better multipath rejection and better stereo separation. The RDS feature displays broadcast information when listening to compatible AM/FM stations.

### Convenient wireless remote included

Control your receiver while keeping your eyes on the road with the included wireless card remote (RM-X211).

### Button illumination

Red key illumination helps you locate buttons quickly during evening playback.

### Steering wheel control ready input<sup>4</sup>

This receiver is compatible with aftermarket remote control adapters<sup>4</sup> designed to utilize the vehicles existing, primary radio controls directly from the steering wheel. The 1/8" rear panel mounted remote input jack allows for simple connectivity.

## Specifications

Amplifier Section		Signal-to-Noise Ratio (dB)	CD: 120 dB	
Max power output	52 watts x 4 at 4 ohms	Station Preset(s)	18 FM / 12 AM	
Power Ad Hoc	CEA2006 Standard Power: 17 Watts RMS per channel into 4 Ohms, 4 channels driven from 20 Hz to 20 kHz with less than 1% THD+N.	Tuner Frequency Range	FM (MHz): 87.5-107.9 AM (kHz): 530-1710	
Speaker Impedance	4-8 Ohms	Tuner Type	Digital Clarity Tuner with RDS	
AMP & General Feature			Wow and Flutter	
Automatic Level Optimizer	Yes	Below measurable limit		
Aux-In	Front	AUX in Feature		
DM+ (Codec enhancer)	Gen2.1	Level Adjustment	-8dB - +18dB	
EQ	EQ7: 7 band EQ with +/- 6 dB adjustment at 63 Hz, 160 Hz, 400 Hz, 1000 Hz, 2.5 kHz, 6.3 kHz and 16 kHz.	Convenience		
High Pass Filter	Selectable on/off at: 50, 60, 80, 100 or 120 Hz.	Tilt Range	0-45° mounting angle	
Loudness	Dynamic	Convenience Features		
Low Pass Filter	Selectable on/off at: 50, 60, 80, 100 or 120 Hz.	Dimmer Adjust	Manual on/off	
Output Power (4ohm, 1kHz, 16V) (W)	52W	Key Illumination	Red	
Pre Out	(1) Rear/Sub switchable	On-Screen Clock	12H	
Rear/Sub initial	Sub	Display		
Rear Bass Enhancer	Yes	Display Color	Black color / Negative	
Subwoofer Direct Connection	Yes	Display Technology	LCD	
Time Alignment Custom	Adjustment	Text Displayed	Source, artist, track, playback time, menu and clock	
Time Alignment Preset	Yes	Text Lines	1 line of information	
USB	Front	Display Panel		
Audio		Auto off mode	Yes	
Band	AM / FM	Dimmer Adjust	Manual on/off	
Equalizer	EQ7: 7 band EQ with +/- 6 dB adjustment at 63 Hz, 160 Hz, 400 Hz, 1000 Hz, 2.5 kHz, 6.3 kHz and 16 kHz.	Panel Design		
Format(s) Supported	MP3/WMA/AAC files <sup>1</sup>	Display color (Color Variation/ Nega or Posi)	Black color / Negative	
Preout Impedance	220 ohms	Display Device (LCD/FL/OEL/TFT)	LCD	
Preout Voltage	2 volt	Key Illumination	Red	
S/N Ratio	Audio Power: CEA2006 S/N 80 dBA	Knob finish	Black (Bare)	
Feature			Panel finish color	
CODEC (for USB)			USB Shutter	
MP3, WMA, AAC			Yes	

Jump Mode	Yes	Rotary commander ( ):Option	Optional wired remote input
List Browsing (Folders/Files)	Yes	Security	Detachable
Pause	Yes	Tuner	
Repeat	OFF/ TRACK/ ALBUM	FM Usable Sensitivity	8 dBf
Resume Play	Yes	Frequency Response	FM: 20-15,000 Hz
Shuffle	OFF/ALBUM/DEVICE	S/N Ratio	80 dB (stereo)
ZAPPIN	Yes	Selectivity	75 dB at 400 kHz
<b>General</b>		Stereo Separation	50 dB at 1 kHz
CEA2006 output power	17	FM: Channel separation (dB)	50 dB at 1 kHz
CEA2006 S/N	80	FM: Frequency response (Hz)	20 - 15k
Dimensions (WxHxD) (mm)	178 x 50 x 177	FM: Intermediate frequency (MHz)	25KHz
Maximum output power (4ohm, 1kHz, 16V)(W)	52	FM: S/N ratio (mono) (dB)	80 dB stereo
Mounting dimensions (WxHxD)(mm)	182 x 53 x 160	FM: Selectivity (400 kHz) (dB)	75 dB
Preout impedance (ohms)	220	FM: Tuning range (MHz)	87.5-107.9
Preout output level (V)	2	FM: Usable sensitivity (75 ohm) (dBf)	8 dBf
Weight (kg)	1.2	MW: Tuning range(kHz)	530-1710
<b>Inputs and Outputs</b>		MW/LW/SW: Sensitivity (75 ohm) MW/LW/SW(uV)	26/-/-
12V Trigger Output(s)	Power remote on	<b>Tuner Feature</b>	
Antenna Terminal(s)	AM/FM Antenna Input Terminal	Preset	FM18/AM12
Audio In	Front Aux in with variable level Front USB input	RDS/EON (NA Only:RBDS, Others:RDS)	RBDS
Digital Audio Input(s)	Ability to use all forms of USB devices may vary as not all devices are compatible.  This unit is compliant with MSC (Mass Storage Class) and MTP (Media Transfer Protocol) type USB devices compliant with the USB standard. This unit cannot recognize USB devices via a USB hub. If you have any questions or problems concerning your unit that are not covered in this manual, consult your nearest Sony dealer.	<b>Weights and Measurements</b>	
Infrared Port	Wireless remote	Dimensions (Approx.)	178 x 50 x 177 mm, 7 x 1.9 x 6.9 inch (w/h/d)
RCA Audio Output(s)	Selectable Rear/Subwoofer RCA pre-amp output	Dimensions (Approx) Depth	7.125" (179 mm)
Remote Jack	Optional wired remote terminal	Dimensions (Approx) Height	2" (50 mm)
USB Port(s)	Front	Dimensions (Approx) Width	7 po (177 mm)
<b>USB Capable</b>		Weight (Approx.)	1.2 kg (2 lb. 11 oz.)
USB Mass Storage Device	Yes	<b>Supplied Accessories</b>	
<b>Instruction Manual Language</b>		Supplied Accessories	RM-X211 Parts for installation and connections (1 set)
English	Yes		
French	Yes		
<b>Other Features</b>			
Card Remote (:): Option	RM-X211		
CD lock mode	Yes		
Clock	12H		



1. Not all files may playback due to file variations. Copyright protected ACC-LC files not supported.
  2. Not all USB devices are compatible. Consult [www.esupport.sony.com](http://www.esupport.sony.com) for complete details.
  3. Compatible with Android or Blackberry smartphones supporting Mass Storage Class (MSC) devices, users required to manually select MSC/USB connection in smartphone menu for proper functionality.
  4. Compatibility varies as not all vehicles are compatible; please consult with each interface manufacturer for details.
- © 2012 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Sony, ZAPPIN, Quick-BrowZer, and their respective logos are trademarks of Sony. All other trademarks are trademarks of their respective owners. Updated: November 12, 2012